

## Additional file 2

**Table S2 - The fully adjusted multilevel models for noise exposure at school and at home and the switching attention test (errors)**

Outcome →	Block_f		Arrow_f		Switch_f	
	B (SE)	B(SE)	B (SE)	B (SE)	B (SE)	B (SE)
Fixed coefficients ↓						
Intercept	1.713 (1.008)	1.687 (0.986)	2.604 (1.574)	2.848 (1.645)	10.098 (5.946)	11.725 (5.737)
Aircraft noise at school	0.001 (0.008)		-0.011 (0.012)		0.097 (0.047)*	
Road traffic noise at school	0.000 (0.006)		0.026 (0.010)*		0.057 (0.039)	
Aircraft noise at home		-0.001 (0.008)		-0.011 (0.014)		0.050 (0.046)
Road traffic noise at home		0.000 (0.007)		0.005 (0.012)		0.058 (0.042)
Age (yrs)	-0.176 (0.093)	-0.154 (0.092)	-0.170 (0.146)	-0.065 (0.150)	-0.515 (0.536)	-0.462 (0.531)
Boys	0.157 (0.099)	0.158 (0.099)	0.398 (0.154)*	0.388 (0.156)*	0.438 (0.556)	0.435 (0.560)
Employed	0.031 (0.186)	-0.014 (0.191)	-0.549 (0.290)	-0.532 (0.300)	-0.188 (1.045)	-0.183 (1.078)
Crowded	-0.175 (0.105)	-0.179 (0.106)	-0.095 (0.164)	-0.103 (0.167)	-0.421 (0.593)	-0.441 (0.600)
Home owner	0.008 (0.130)	-0.004 (0.132)	0.082 (0.203)	0.077 (0.210)	0.749 (0.743)	0.588 (0.750)
Mother's education	0.094 (0.182)	0.100 (0.184)	0.247 (0.285)	0.202 (0.291)	2.176 (1.033)*	2.187 (1.042)*
Main language is Dutch	0.120 (0.236)	0.123 (0.233)	0.003 (0.368)	-0.065 (0.384)	-2.849 (1.368)*	-2.395 (1.350)
Long standing illness	0.118 (0.110)	0.116 (0.111)	0.082 (0.172)	0.077 (0.174)	0.624 (0.620)	0.720 (0.626)
Parental support	0.071 (0.026)*	0.071 (0.027)*	-0.006 (0.041)	0.003 (0.042)	-0.195 (0.148)	-0.176 (0.150)

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Classroom glazing

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Single	0.089 (0.308)	0.237 (0.481)	1.167 (1.815)
Double	0.125 (0.308)	0.430 (0.481)	0.735 (1.812)
Triple	Ref	Ref	Ref
Double glazing at home	0.020 (0.098)	0.000 (0.156)	0.737 (0.559)

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Random Parameters

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Level 2: School	0.000	0.000	0.000	0.0542	0.450	0.305
Level 1: Pupil	1.003	1.009	2.445	2.467	31.660	32.069

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B = Estimated change in the test score per dB(A); SE = Standard Error; N = sample size.

